

References to Environmental Management Programs in Tech Report

4.2.3 Potential Pollution Events Involving Liquid Waste

Although there are potential sources of pollution at the project facility, Powertech's (USA)

Environmental Management Programs combined with existing regulatory requirements from the

NRC and DENR establish a framework that significantly reduces the possibility of an event.

Additionally, extensive personnel training, which is standard policy for all Powertech (USA)

operations, will be implemented at the project. Detailed procedures for inspections of waste

management facilities and systems will be included in Powertech's (USA) Environmental Management Programs, which will be tailored for use at the project.

The following represent potential sources of pollution:

- Spills from well field buildings, pipelines, and well heads
- CPP and SF
- Deep well pump houses and well heads
- Domestic liquid waste

4.2.3.1 Spills from Well Field Buildings, Pipelines, and Well Heads

There will be no process chemicals or effluents stored within well field buildings or pipelines.

As such, they are not considered to be a potential source of pollutants during normal operations.

However, these well field features could contribute to pollution in the unlikely event of a release

of injection or recovery solutions due to pipe or well failure. The chances of such a failure are

minimized by leak checking the piping prior to installation. Additionally, the flows through the

4.3 Transportation Vehicles

An accident involving transportation vehicles to and from the project site could potentially

release pollutants to the environment. Transport vehicles at the project site include, but are not

limited to: vehicles delivering bulk chemical products, transport of radioactive contaminated

waste from the project site to an approved disposal site, or transport of waste brines from the

CPP, or from vehicles carrying dried yellowcake product from the CPP.

Chemicals and products delivered to or transported from the project site will be transported in

accordance with all SDDOT regulations. As part of Powertech's (USA) Environmental Management Program, emergency response procedures will be developed and implemented to ensure a rapid response to any transportation incidents. All appropriate personnel will

be

appropriately trained in emergency response procedures to facilitate proper response from

Powertech (USA) employees in transportation incidents.

pipe will be at a relatively low pressure and can easily be stopped, further reducing the chance of

a spill migrating far from the source. Well field header houses will be equipped with wet alarms

for early detection of leaks, further minimizing the potential for a large event. Due to a decrease